



Sandra Bron

FILE

Permits-DWPC

217/782-6762

Refer to: 0316000034 -- Cook County  
Land and Lakes #3 - Liquid Recovery Systems  
Permit No. 1978-2-OP  
Supplemental Permit No. 1986-133-SP/OP  
Log No. 1991-011 (1990-300, 1988-240, 1986-133)  
State Permit File

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MAR 15 1991

Environmental Protection Agency  
Division of Water Pollution Control  
Permit Section-Springfield  
State of Illinois

March 13, 1991

RECEIVED

Stony Island Reclamation  
123 North Northwest Highway  
Park Ridge, Illinois 60068

MAR 14 1991

Liquid Recovery Systems, Inc.  
123 North Northwest Highway  
Park Ridge, Illinois 60068

Gentlemen:

MANAGERS OFFICE-DIVISION OF  
WATER POLLUTION CONTROL

Supplemental permit is hereby granted to Stony Island Reclamation as owner and Liquid Recovery Systems as operator to operate a 255,000 gpd non-hazardous, liquid waste treatment facility, in accordance with the plans prepared by Baxter and Woodman. Final plans, specifications, application and supporting documents as submitted and approved shall constitute part of this permit and are identified in the records of the Illinois Environmental Protection Agency, Division of Land Pollution Control, by the permit numbers and log numbers designated in the heading above.

This permit is issued subject to the standard conditions attached hereto and incorporated herein by reference and further subject to the following special conditions:

1. This permit allows Liquid Recovery Systems to operate the following units:

A. Tanks

Tank Designation	Volume (Gallons)	Use
T-1	15,000	Miscellaneous Waste storage/batch treatment
T-2	15,000	Storage prior to filtration only
T-3	15,000	Waste storage/batch treatment only
T-4	15,000	Untreatable waste storage
T-5	10,000	Food waste storage
T-6	30,000	Food waste storage
T-7	30,000	Landfill leachate storage





T-8	6,000	Isolated chemical treatment
T-9	6,000	Isolated chemical treatment
T-10	20,000	Effluent water storage
T-11	20,000	Effluent water storage
T-12	5,000	Recovered fat and grease storage
T-13	5,000	Recovered oil storage

**B. Processing Units**

1. Two (2) rotary precoat vacuum filters and appurtenances;
  2. Two (2) activated carbon filters and appurtenances;
  3. One (1) sand filter and appurtenances;
  4. One (1) pug mill and appurtenances;
  5. One (1) solidification/stabilization pit;
  6. All other corresponding sumps, pumps, piping, controls, chemical feed systems, loading and unloading areas and appurtenances.
2. This permit allows the facility to accept the following non-hazardous special waste streams on a generic basis (255,000 gpd maximum facility total):
- A. Non-hazardous food and non-food wastes (120,000 gpd maximum unit total).
    1. Non-hazardous food wastes under Generic Waste Stream Authorization Number 000290.
    2. Non-hazardous non-food wastes under Generic Waste Stream Authorization Number 000291.
  - B. Non-hazardous landfill leachate (95,000 gpd maximum unit total) under Generic Waste Stream Authorization Number 000292.
  - C. Non-hazardous wastes to be solidified/stabilized (40,000 gpd maximum unit total) under Generic Waste Stream Authorization Number 000293.



These authorization numbers will expire on February 22, 1996. To renew these authorization numbers, a supplemental permit application (LPC-PA1) and all supporting documentation should be submitted to the Agency no less than 90 days prior (November 22, 1995) to the expiration date.

3. All tanks must have the following activities performed on an annual basis.
  - A. Visual internal inspection to verify structural integrity.
  - B. Non-destructive ultrasonic testing to verify metal thickness.
  - C. An inspection and report detailing the condition of all internal coatings.
4. All tanks, lines, pumps, and appurtenances must have an ongoing continuous internal corrosion monitoring program or corrosion protection system.
5. All tanks, lines, pumps and appurtenances must have an ongoing internal corrosion protection system (e.g., coatings or cathodic protection).
6. All tanks, lines, pumps and appurtenances must have an ongoing external corrosion protection system (e.g., coating or cathodic protection).
7. The results of the facility's corrosion monitoring and protection program shall be placed in the operating record and be made available to the Agency upon written or verbal request.
8. All generators which send waste to this facility must have an IEPA generator number.
9. The following information shall be documented in the facility's operating record for each load of special waste received:
  - A. Date the load was received.
  - B. Supplemental waste stream permit number (authorization number) and manifest number associated with the waste load.
  - C. Waste name (as identified in Special Condition 2).
  - D. Volume of waste received.
  - E. Generator name, location and IEPA generator number.
  - F. Results of all analyses conducted on the load of waste.
  - G. Documentation as to whether the load of waste was received in bulk or drums.



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10. The following information shall be documented in the facility's operating record for all special waste treatment products and treated effluents discharged to the MWRDGC, deposited in Land and Lakes #3 landfill or shipped off-site.
  - A. Date that each load is discharged or deposited.
  - B. Waste name (as identified in Special Condition 2).
  - C. Name, location and IEPA identification number of the off-site receiving facility (if applicable).
  - D. Supplemental waste stream permit number (authorization number) under which the waste is to be received at the off-site facility (if applicable).
  - E. Number of the manifest under which the waste is to be shipped.
  - F. Volume of each load waste discharged, deposited or shipped off-site.
  - G. Disposition of waste (discharged, deposited or shipped off-site).
11. The information required to be traced in the facility's operating record by Conditions 9 and 10 above shall be made available to the Agency upon written or verbal request.
12. On a quarterly basis, a random grab sample of the sludge and stabilization product waste stream shall be taken. This sample shall be analyzed in accordance with the facility's approved waste analysis plan. The results of these analyses shall be placed in the facility's operating record and be made available to the Agency upon written or verbal request.
13. All loading and unloading of special wastes shall be accomplished over non-earthen spill containment structures or devices.
14. This facility shall be operated in accordance with this Agency's Divisions of Water and Air Pollution Control permits.
15. Only non-hazardous special wastes as defined in 35 IAC 722.111 may be received for treatment at this facility.
16. Special wastes received at the facility for treatment or recovery shall be transported to the facility utilizing the Agency's Supplemental Waste Stream Permit and Manifest System.
17. Special wastes generated at the facility for disposal, storage, incineration or further treatment elsewhere shall be transported to the receiving facility utilizing the Agency's Supplemental Waste Stream Permit and Manifest System.



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18. The Agency shall be notified and initiation of the closure plan, submitted pursuant to 35 Ill. Adm. Code 807.205(1), shall be implemented within 30 days after this unit ceases operations.
19. This permit is subject to review and modification by the Agency as deemed necessary to fulfill the intent and purpose of the Environmental Protection Act, and all applicable environmental rules and regulations.
20. Any modification to the facility shall be the subject of an application for supplemental permit for site modification submitted to this Agency.
21. Permittee shall notify the Agency of any changes from the information submitted to the Agency in its application for a developmental and operating permit for this site. Permittee shall notify the Agency of any changes in the names or addresses of both beneficial and legal titleholders to the herein-permitted site. Such notification shall be made in writing within fifteen (15) days of such change and shall include the name or names of any parties in interest and the address of their place of abode; or, if a corporation, the name and address of its registered agent.
22. Three copies of all certifications with original signatures, logs or reports which are required to be submitted to the Agency by the permittee shall be mailed to the following address:

Illinois Environmental Protection Agency  
Planning and Reporting Section  
Division of Land Pollution Control - #24  
2200 Churchill Road  
Post Office Box 19276  
Springfield, Illinois 62794-9276

Very truly yours,

Lawrence W. Eastep, P.E., Manager  
Permit Section  
Division of Land Pollution Control

LWE:CLS:jab/sp545q/1-5

cc: Division File  
Maywood Region  
Planning and Reporting Section  
D. W. Clay  
C. L. Smith  
Jackie Neuber - DAPC Permits  
Sandra Bron - DWPC Permits  
Ed Bakowski